

EXECUTIVE SUMMARY

Prepared November 8, 2000

Mine Name: Browns Canyon Rock Quarry
Operator: Rock Products of Utah, Inc.
843 South Main Street
Heber City, Utah 84032

Telephone: (435) 654-3978
Contact Person: Devlon G. Wurth
Life of Mine: 10 Years

I.D. No: M/043/017
County: Summit County
New/Existing: Small Mining Operation
Expanding to Large Mine Status
Mineral Ownership: Fee
Surface Ownership: Fee
Lease No.(s): N/A
Permit Term: Life of Mine

Legal Description: NE/14 of SE/14, Section 20, Township 1 South, Range 5 East, SLBM

Mineral(s) to be Mined: Quartzite Flagstone

Mining Methods: Surface excavation

Acres to be Disturbed: 10 acres

Present Land Use: Mining, Grazing and Wildlife habitat.

Postmining Land Use: Grazing and Wildlife habitat.

Variances from Reclamation Standards (Rule R647) Granted: None.

Soils and Geology:

Soil Description: Soils in the project area are a cobbly loam soil of the Ayoub-Dunford-Melling complex. These soils are characterized by relatively shallow and cobbly topsoil ranging from outcrop to 14 inches deep. Bedrock is shallow, within 40 inches of the surface.

pH: 6.5 to 7.9

Special Handling Problems: Soils are sparse in some areas. However, every effort will be made to salvage all topsoil available.

Geology Description: Nugget sandstone, a pale-orange medium grained cross bedded sandstone of Triassic and Jurassic age. Bed dips at about 45 degrees in the project area.

Hydrology

Ground Water Description: Depth to groundwater unknown. It is not expected to encounter ground water during the life of this operation.

Surface Water Description: There are no surface waters in the project area. An ephemeral drainage is located to the east of the project. The current plan will not impact this drainage.

Water Monitoring Plan: Since there are no impacts expected to the surface and groundwater systems, no water monitoring is required.

Ecology:

Vegetation Type(s); Dominant Species: The project area is located within the oakbrush/mountain shrubland vegetation zone. Dominant species include oakbrush, mountain sagebrush and western wheatgrass.

Percent Surrounding Vegetative Cover: Average of 30% ground cover.

Wildlife Concerns: No special wildlife concerns.

Surface Facilities: Temporary buildings include 2 trailers and an explosives magazine. These will be removed upon reclamation. The area is fenced and signed (no trespassing) to keep unauthorized individuals out and the gate on the access road is locked when the site is not active (nights and sundays). There is no fuel storage on site.

Mining and Reclamation Plan Summary:

During Operations:

A tracked air drill is used to bore holes (20-25) into the face of the rock to loosen the rock by blasting. In preparation of a blast, the area is secured and personnel in adjacent quarries are notified of the blast. Post blast, a excavator is used to pull loose rock from the blast area into piles. Rock is then split and sorted and loaded in trucks for shipping. The area is fenced to keep the public out.

After Operations:

All temporary facilities will be removed and trash and debris will be hauled from the site. Highwalls will be reduced to a 3h:1v slope. All waste dumps and overburden dumps will be regraded to a 3h:1v slope. Topsoil will be applied approximately 6 inches deep. Roads will be ripped and/or regraded. Composted manure will be applied to all areas and broadcast seeded with an appropriate seed mixture designed for the post mining land use of grazing and wildlife habitat.

Surety:

Amount: \$23,600
Form: Unknown at this time
Renewable Term: 2005 dollars